

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Problem Image Mailbox.**

FIGURE 1

MASSVISSAA	VATRSNVTOA	SMVAPFTGLK	SSATFPVTKK	QNLDITSIAS	50
MASSVISSAA	VATRSNVTOA	SMVAPFTGLK	SSATFPVTKK	QNLDITSIAS	50
MASSVISSAA	VATRSNVTOA	SMVAPFTGLK	SSATFPVTKK	QNLDITSIAS	50
↓					
NGGRVSCM..	..QVWPPINM	KKYETLSYLP	DLSEQQLSE	IEYLLKNGWV	96
NGGRVSCM..	..QVWHMSHP	ALTQLRALRY	CKEIPALDPQ	LLDWLLEDS	96
NGGRVSCAVP	CNGEFGMSHP	ALTQLRALRY	CKEIPALDPQ	LLDWLLEDS	100
.....MSHP	ALTQLRALRY	CKEIPALDPQ	LLDWLLEDS	34
PCLEFFETEKG	FVYRENNKSP	GYDGTGTPC	GSCLCLGALM	QPKCWLRFKR	146
MTKRFEQQGK	TVSVTMIREG	FVEQNEIPEE	LPLLPKESRY	WLREILLCAD	146
MTKRFEQQGK	TVSVTMIREG	FVEQNEIPEE	LPLLPKESRY	WLREILLCAD	150
MTKRFEQQGK	TVSVTMIREG	FVEQNEIPEE	LPLLPKESRY	WLREILLCAD	84
LKRHTKHGS	ESLDSTMCKV	CSVSVSLPTS	QKAT.....	180
GEPWLAGRTV	VPVSTLSGPE	LALQKLGKTP	LGRYLFTSST	LTRDFIEIGR	196
GEPWLAGRTV	VPVSTLSGPE	LALQKLGKTP	LGRYLFTSST	LTRDFIEIGR	200
GEPWLAGRTV	VPVSTLSGPE	LALQKLGKTP	LGRYLFTSST	LTRDFIEIGR	134
.....	
DAGLWGRRSR	LRLSGKPLLL	TEFLFPASPL	Y		227
DAGLWGRRSR	LRLSGKPLLL	TEFLFPASPL	Y		231
DAGLWGRRSR	LRLSGKPLLL	TEFLFPASPL	Y		165

FIGURE 2

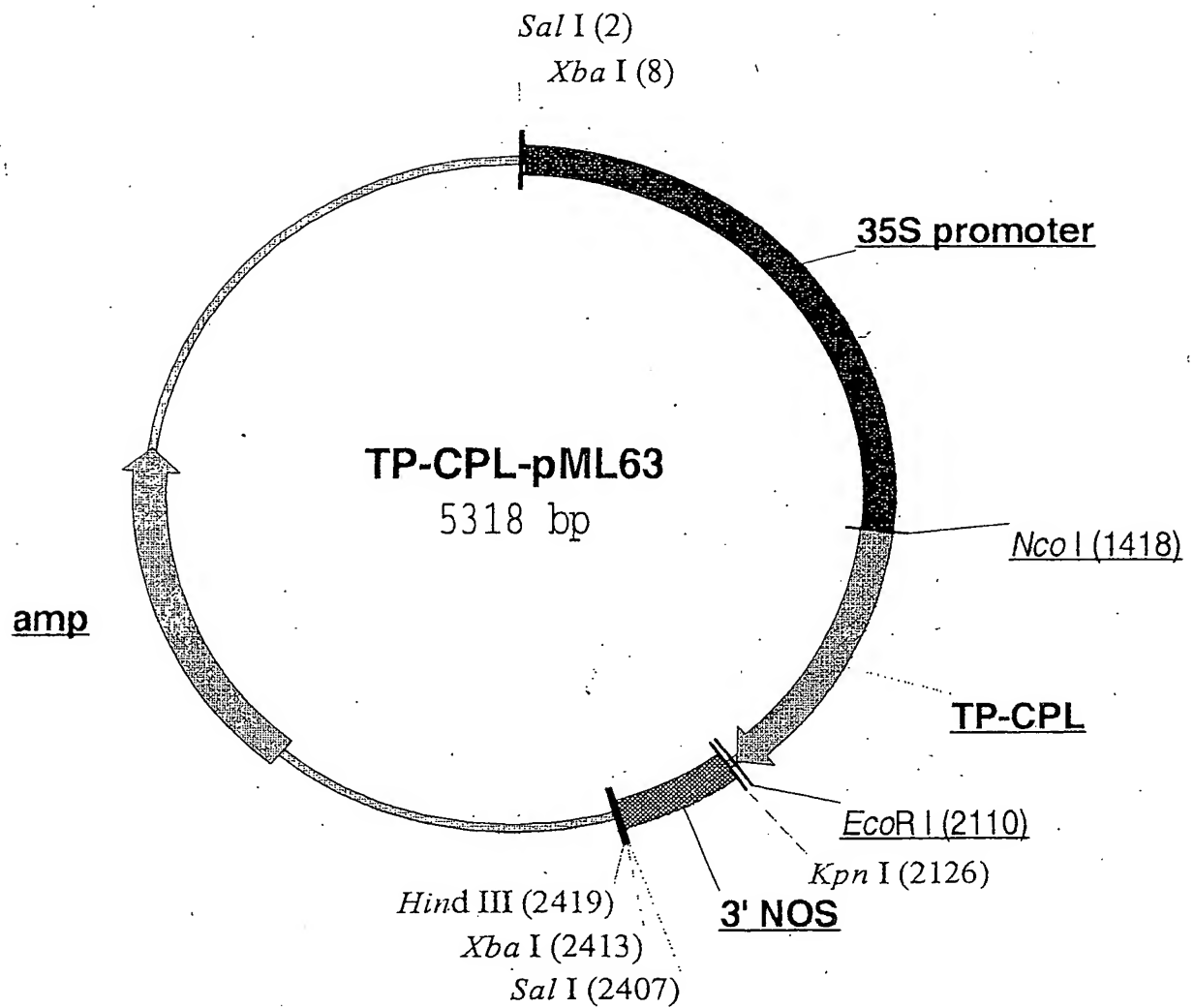


FIGURE 3.

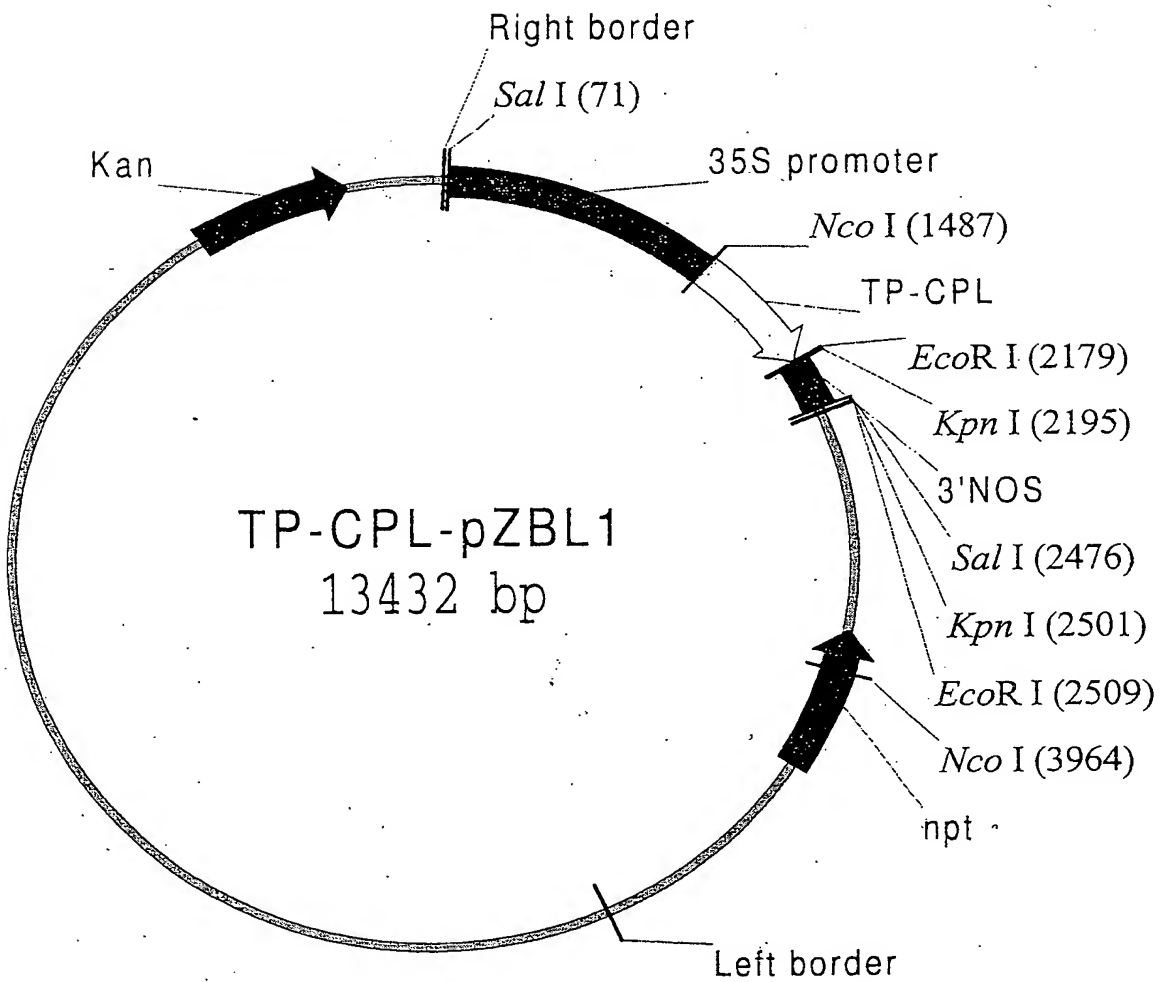
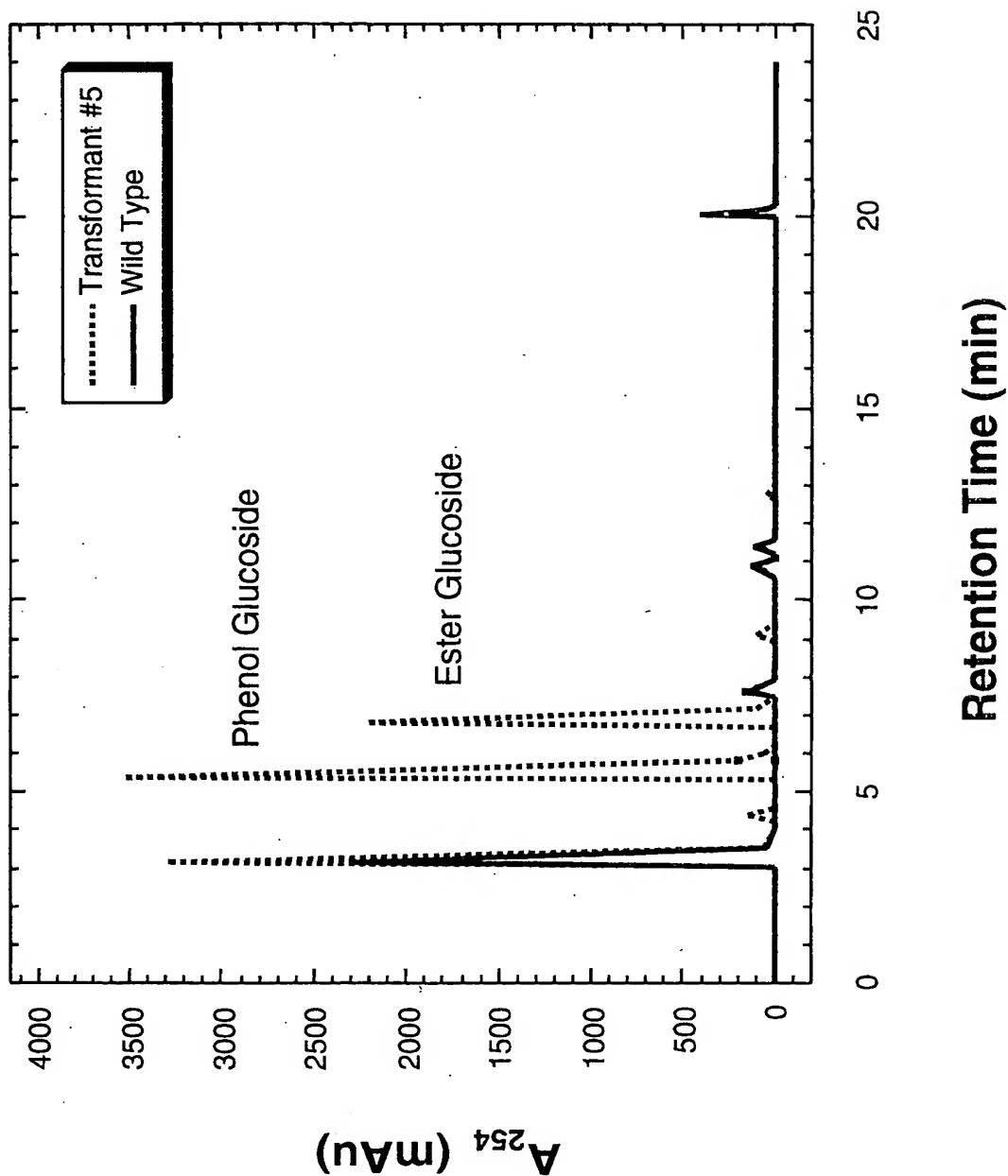


Figure 4

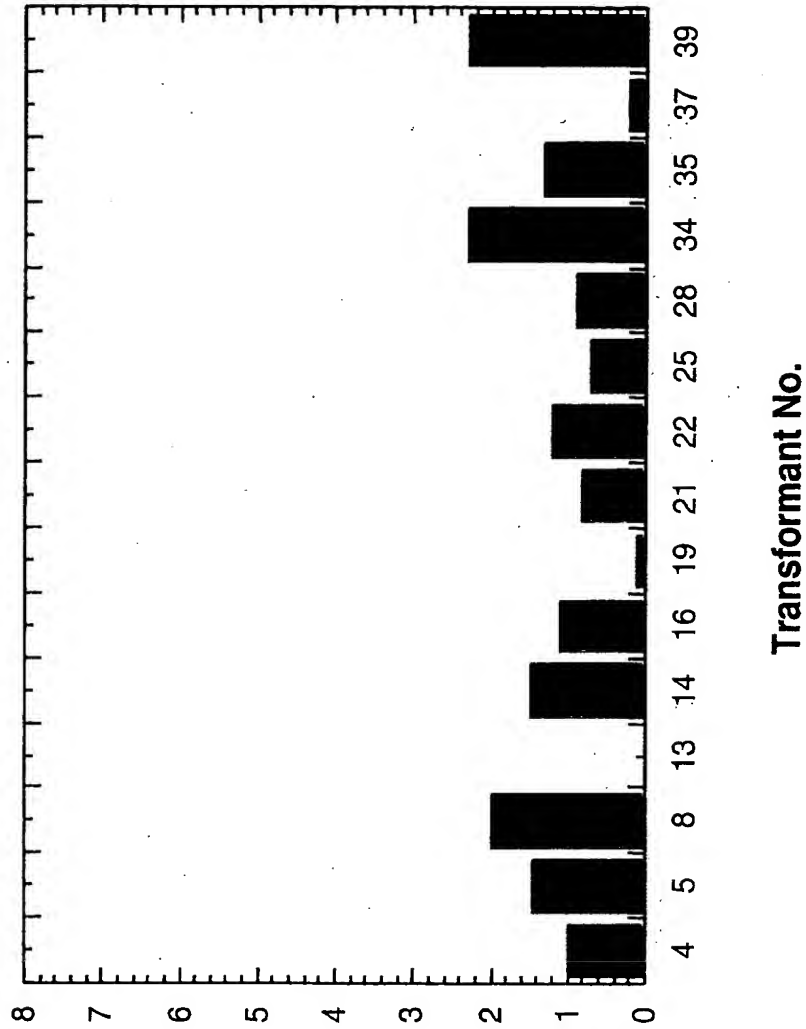
Analysis of pHBA Glucosides in
Wild Type and Transgenic Tobacco



pHBA Glucosides (/ dry weight)

Figure 5

**Analysis of pHBA Glucosides in 15 Tobacco
Plants Transformed with tTP-CPL**



Accumulation of pHBA Glucosides as a Function of Age

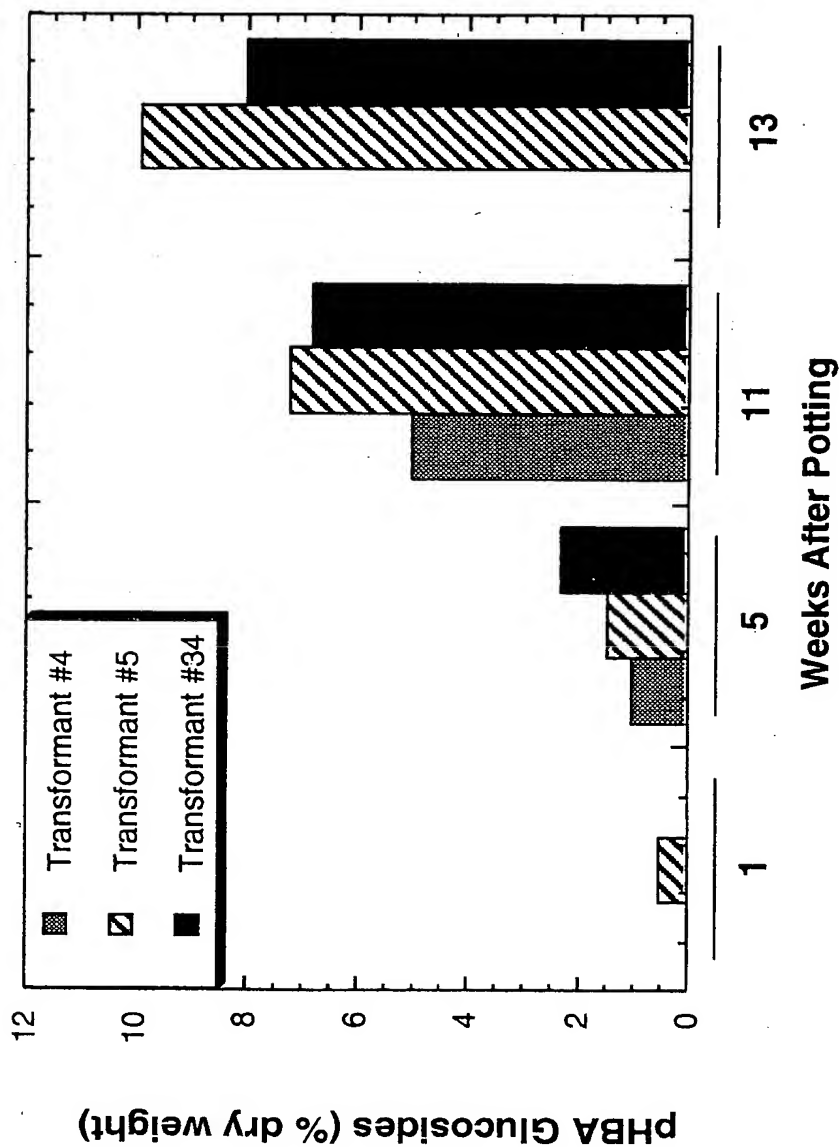


Figure 6

Figure 7

Quantitative Western Analysis for CPL

